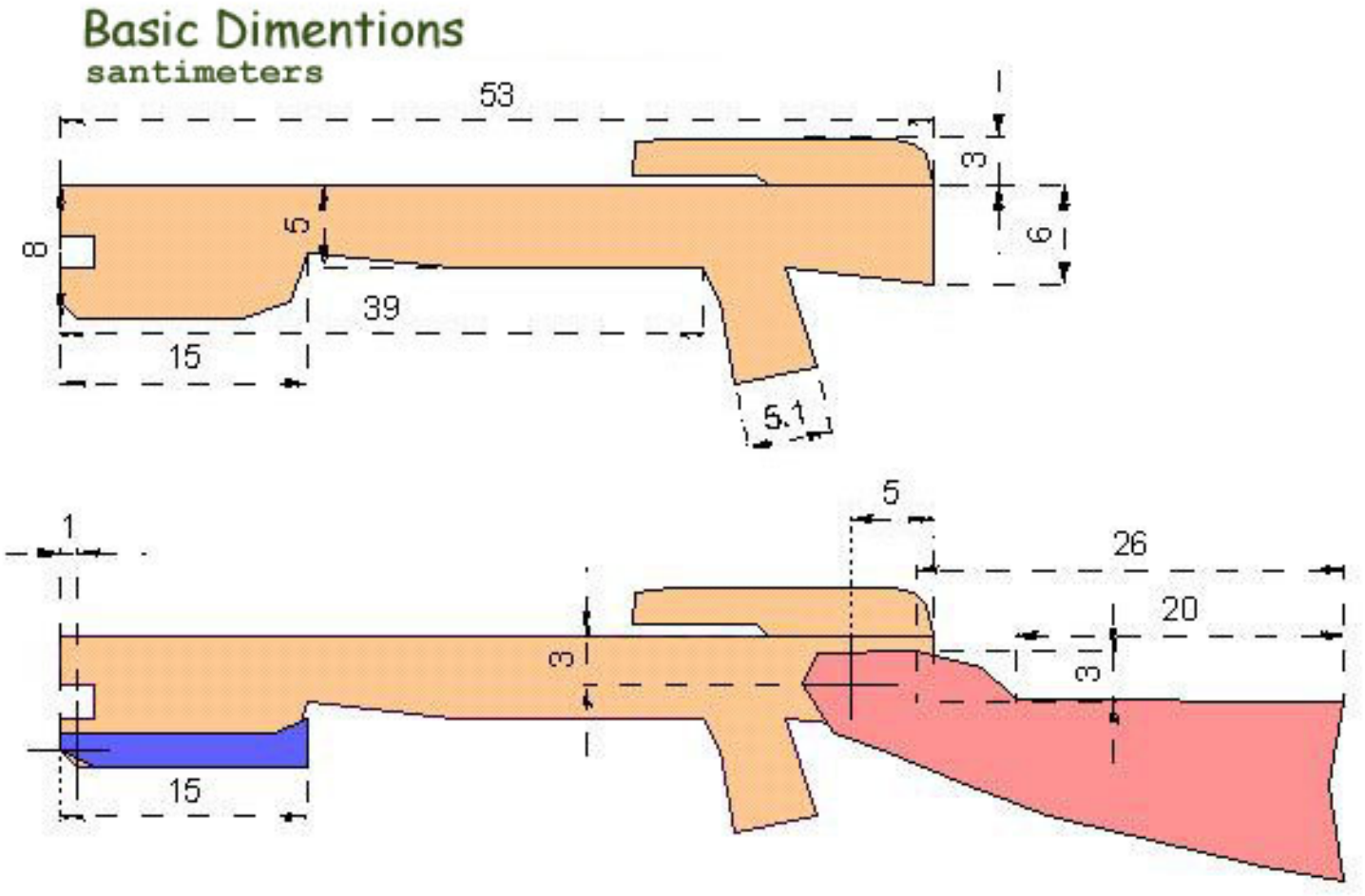
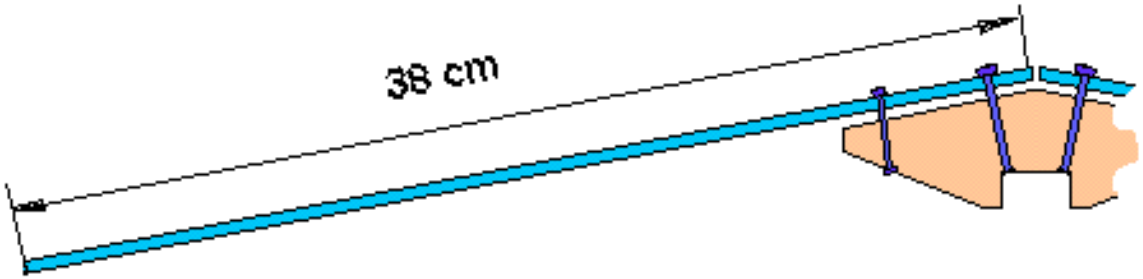
# Part One - Basic Dimentions.




Matereal used for stock is the birch.

# Part Two - The Prod.

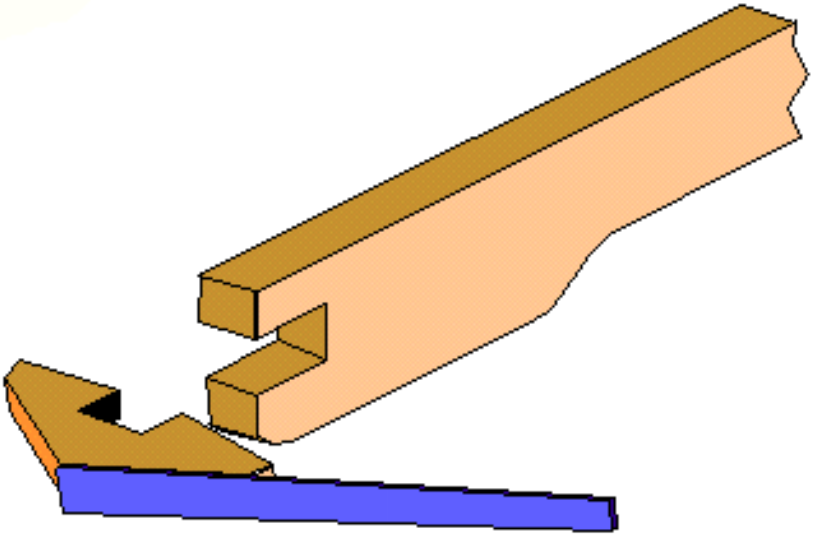
Well, not much to say about it. They say, best matereal is the fiberglass, but I have not found a suitable peace of it. So, the first bow was made from some unknown plastic, found in the garage. It was 65 cm long and has about 37 kg draw weight. All was OK for some weeks, but then it got a terrible string follow. My current prod is made next way: I took an old slalom ski, sawed a back part of it, then sawed it lengthwise. Thus I got limbs and mounted them on central section with long bolts. So I got a prod wich is some longer than normal, but it works good, and does not have any string follow. It's draw weight is about 43 kg.



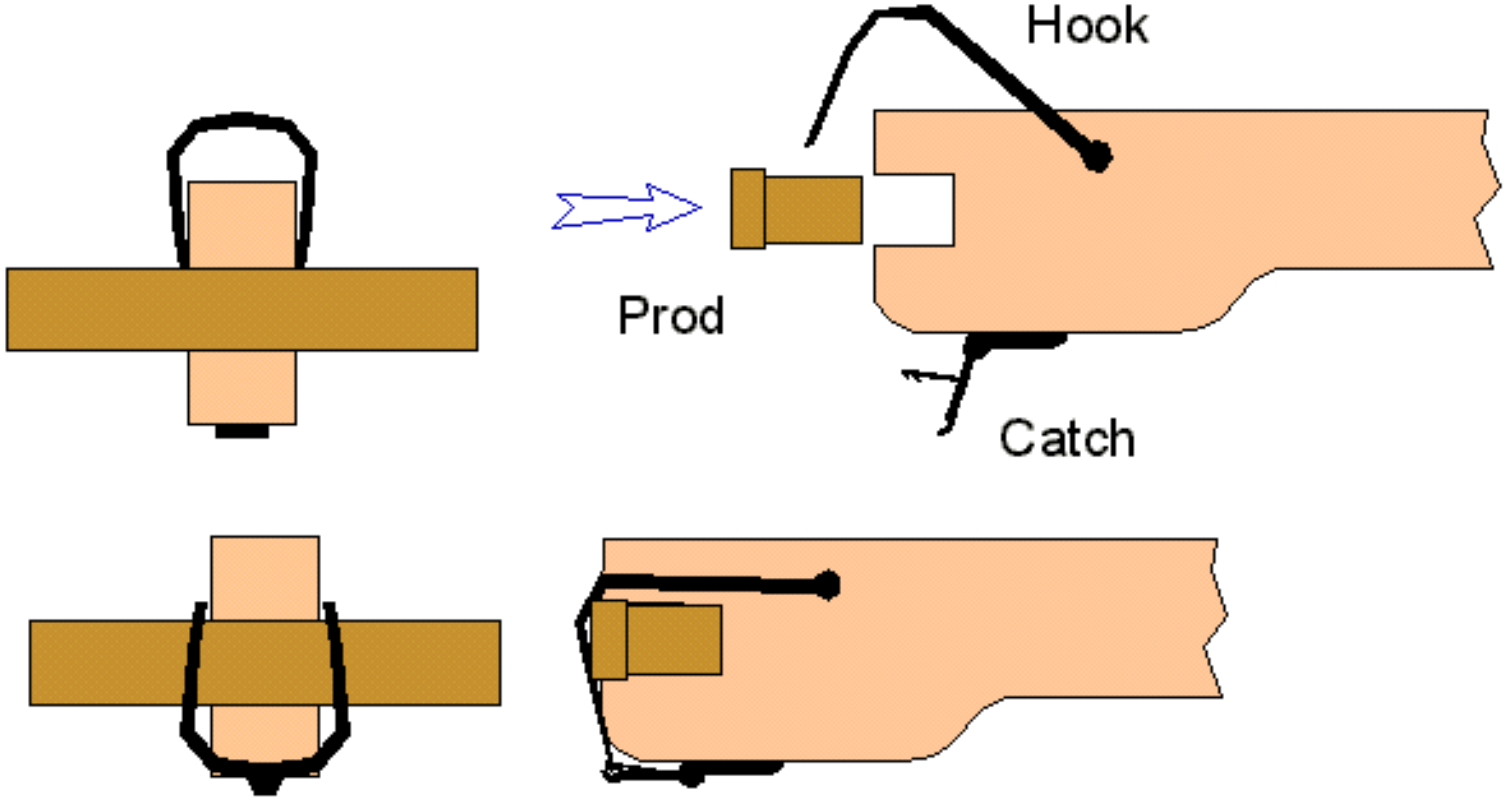

# Part Three - Bow Irons and assembling.

Of coarse, I wanted to make a prod removable. So, I took a catch from old-fashioned ski bindings and used a resilient hook When the catch is locking on the hook, the hook is folding and clasping the prod to the stock. Notches on the stock an on the prod get into each other and the prod is reliable fasten at place.

Here is the general sheme of what it looks like

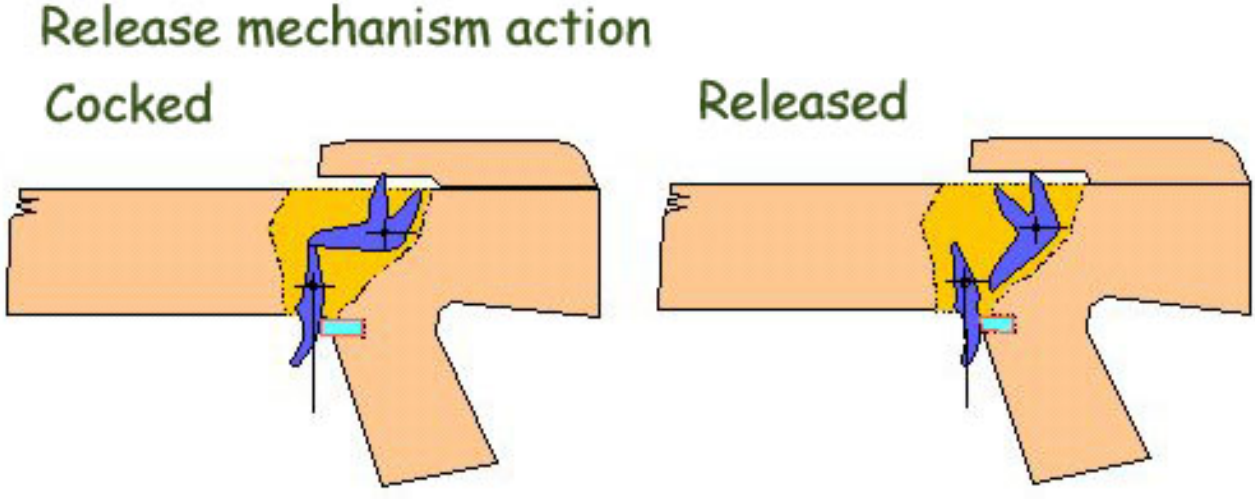


And here is a more detailed drawing

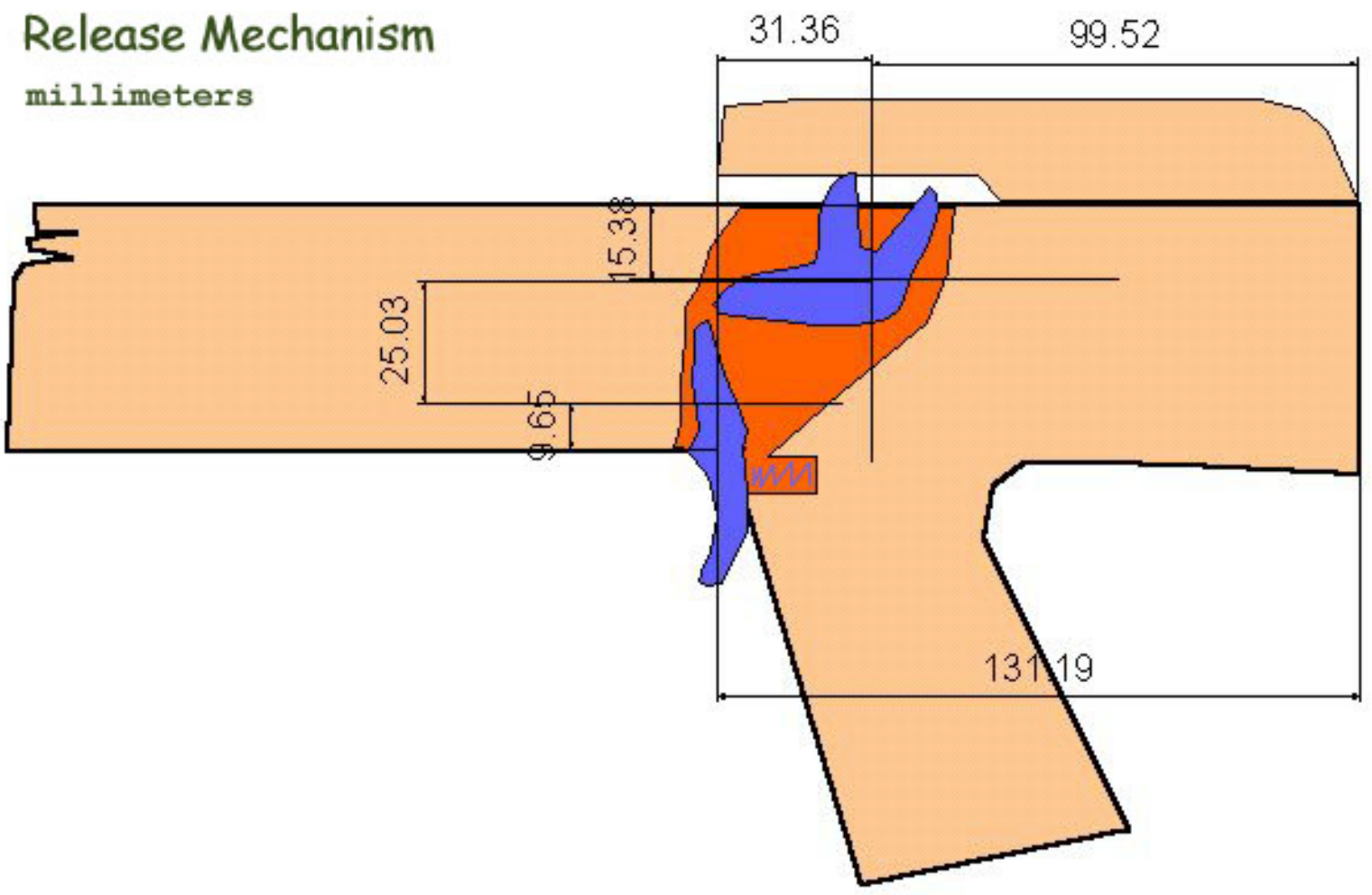



# Part Four - release mechanism.

I made the most simple mechanism, containing only two steel details, excepting a spring.




I hope pictures show, how does it work.




Here are release mechanism dimentions

# Release mechanism dimentions

**millimeters**